CLAIMS

1. A method for performing a detach of a terminal (MS) registered to a telecommunication network (NW) by

5 associating an identification (TMSI) for said terminal (MS), deriving a signature (TMSI_SIG) for said identification (TMSI), and allocating a pair consisting of said identification (TMSI) and said signature (TMSI_SIG) to said terminal (MS),

10 said method comprising the steps of:

     sending a detach request (DET_REQ) including said identification (TMSI) and said identification signature (TMSI_SIG) from said registered terminal (MS) to said network (NW);

15   receiving said detach request (DET_REQ) at the network (NW) side;

     comparing said received detach request (DET_REQ) with a record of registration data of said terminal (MS) kept at the network side; and

20   detaching said terminal (MS) from said network (NW), if said received detach request (DET_REQ) coincides with said record of registration data.

2. A method according to claim 1, wherein,

25   sending of said detach request message (DET_REQ) is initiated upon detection of a predetermined state of said terminal (MS).

3. A method according to claim 2, wherein

30   said predetermined state is a power off state.

4. A method according to claim 2, wherein
     said predetermined state is a low battery state.

35 5. A method according to claim 2, wherein

said predetermined state resides in a removal of a SIM module from said terminal.

6. A method according to claim 1, wherein
said record of registration data contains said pair consisting of said identification (TMSI) and said identification signature (TMSI_SIG), and
said comparison is effected for each of said data items forming said pair.

7. A method according to claim 1, wherein
said identification (TMSI) is the temporary mobile subscriber identity.

8. A method according to claim 1, wherein
said identification is the international mobile subscriber identity IMSI.

9. A method for registration of a terminal (MS) to a telecommunication network (NW),
said method comprising the steps of:
associating an identification (TMSI) for said terminal (MS),
deriving a signature (TMSI_SIG) for said identification (TMSI), and
allocating a pair consisting of said identification (TMSI) and said signature (TMSI_SIG) to said terminal (MS).

10. A method according to claim 9, further comprising the step of
sending a registration request (REG_REQ) from said terminal (MS) to said network (NW); and wherein
said associating is effected in response to the receipt of said registration request.

11. A method according to claim 10, wherein
said registration request (REG_REQ) is an attach
request for initial registration of said terminal (MS) in
said network (NW).

12. A method according to claim 10, wherein
said registration request (REG_REQ) is a location
update request for updating a previous registration of said
terminal (MS) in said network (NW).

13. A method according to claim 10, wherein
said registration request (REG_REQ) is a cell update
request for updating a previous registration of said
terminal (MS) in said network (NW).

14. A method according to claim 10, wherein
said registration request (REG_REQ) is a URA update
request for updating a previous registration of said
terminal (MS) in said network (NW).

15. A method according to claim 9, wherein
said associating of said identification (TMSI) is
arbitrary.

16. A method according to claim 9, wherein
said allocating is effected in a secure mode.

17. A method according to claim 9, wherein
said identification (TMSI) is the temporary mobile
subscriber identity.

18. A method according to claim 9, wherein
said identification is the international mobile
subscriber identity IMSI.

19. A terminal device adapted to the method according to any of claims 1 to 18.

20. A network controlling device adapted to the method according to any of claims 1 to 18.

21. A telecommunication system consisting of at least one terminal (MS) and at least one network controlling device controlling at least one radio transceiver device, adapted to carry out the method according to any of claims 1 to 18.